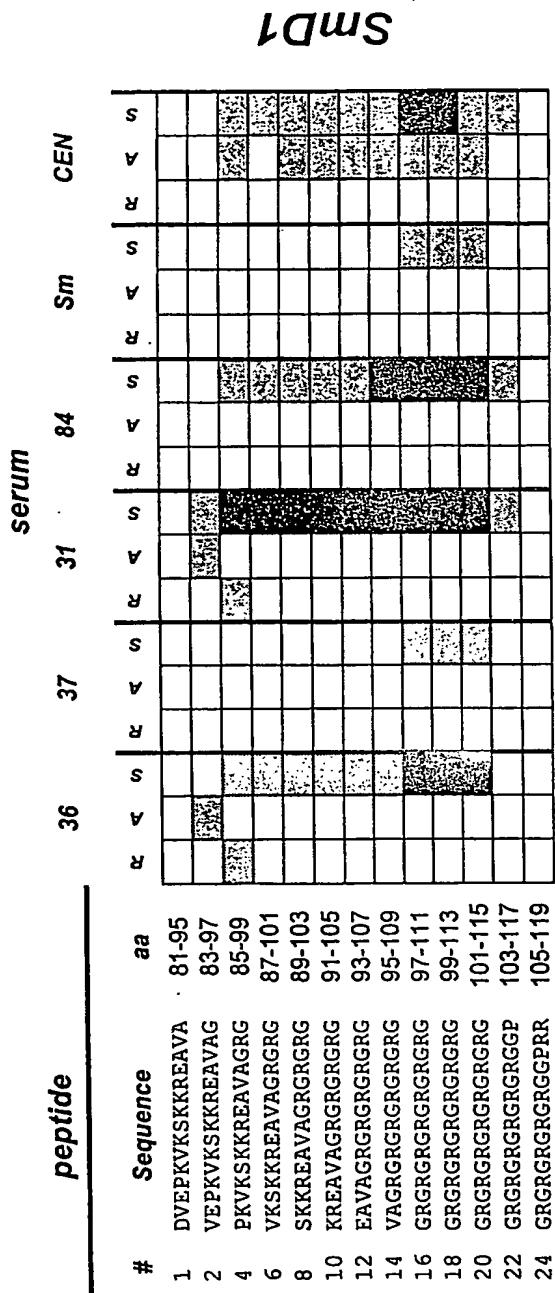


Fig. 1a



R = arginine

S = symmetrical dimethylarginine

Δ = asymmetrical dimethylarginine

Smd3

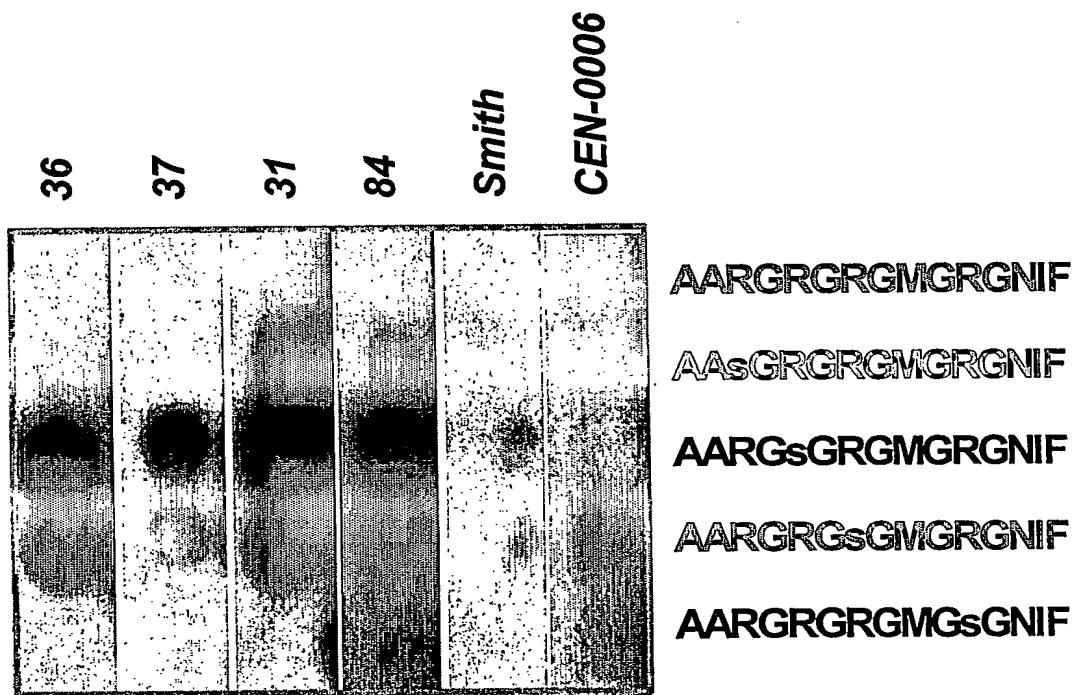
| # | Sequence | aa | serum | | | | | |
|----|------------------|----|---------|---------|---------|---------|---|---|
| | | | 36 | 37 | 31 | 84 | S | C |
| 75 | QVAARGRCGRGMGRN | R | | | | | | |
| 76 | VAARGRCGRGMGRNI | R | 106-120 | | | | | |
| 77 | AARGRCGRGMGRNIF | R | 107-121 | | | | | |
| 78 | ARERERGRGRNIEQ | R | 108-122 | | | | | |
| 79 | RGERGERGRGRNIEQK | R | | 109-123 | | | | |
| 80 | GRGRGCRGRNIEQKRR | R | | 110-124 | | | | |
| 81 | RGRGCRGRNIEQKRR | R | | | 111-125 | | | |
| | | | | | | 112-126 | | |

R = arginine

S = symmetrical dimethylarginine

A = asymmetrical dimethylarginine

3/7

Fig.**1. c.)**

4/7

Fig. 2a

| Antibody concentration | | | |
|-------------------------------|------------|---------------|-------------|
| | Low | Medium | High |
| Intra-assay | | | |
| Mean [U/ml] | 7.1 | 36.3 | 83.8 |
| CV (%) | 1.82 | 3.79 | 6.52 |
| Inter-assay | | | |
| Mean [U/ml] | 7.48 | 36.54 | 91 |
| CV (%) | 3.97 | 7.42 | 2.27 |

5/7

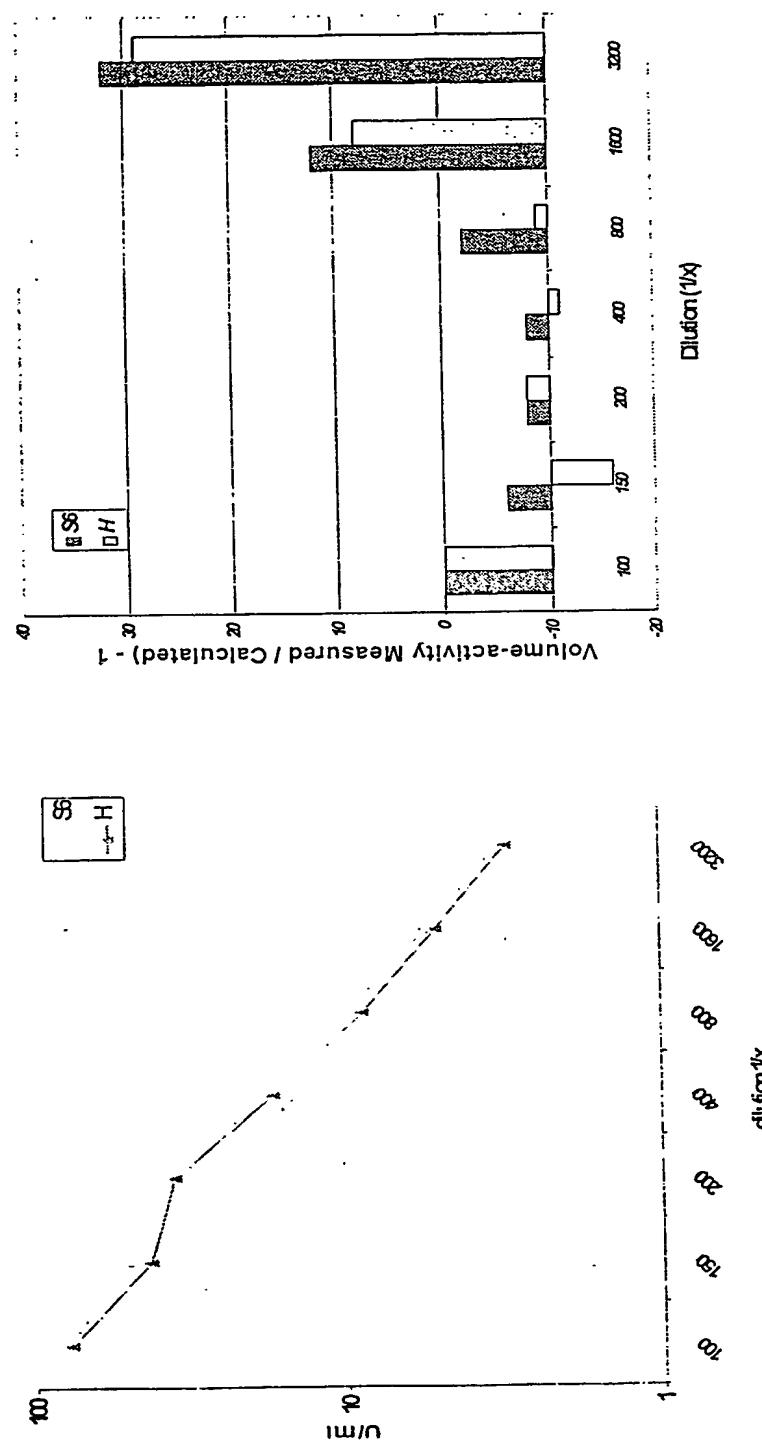
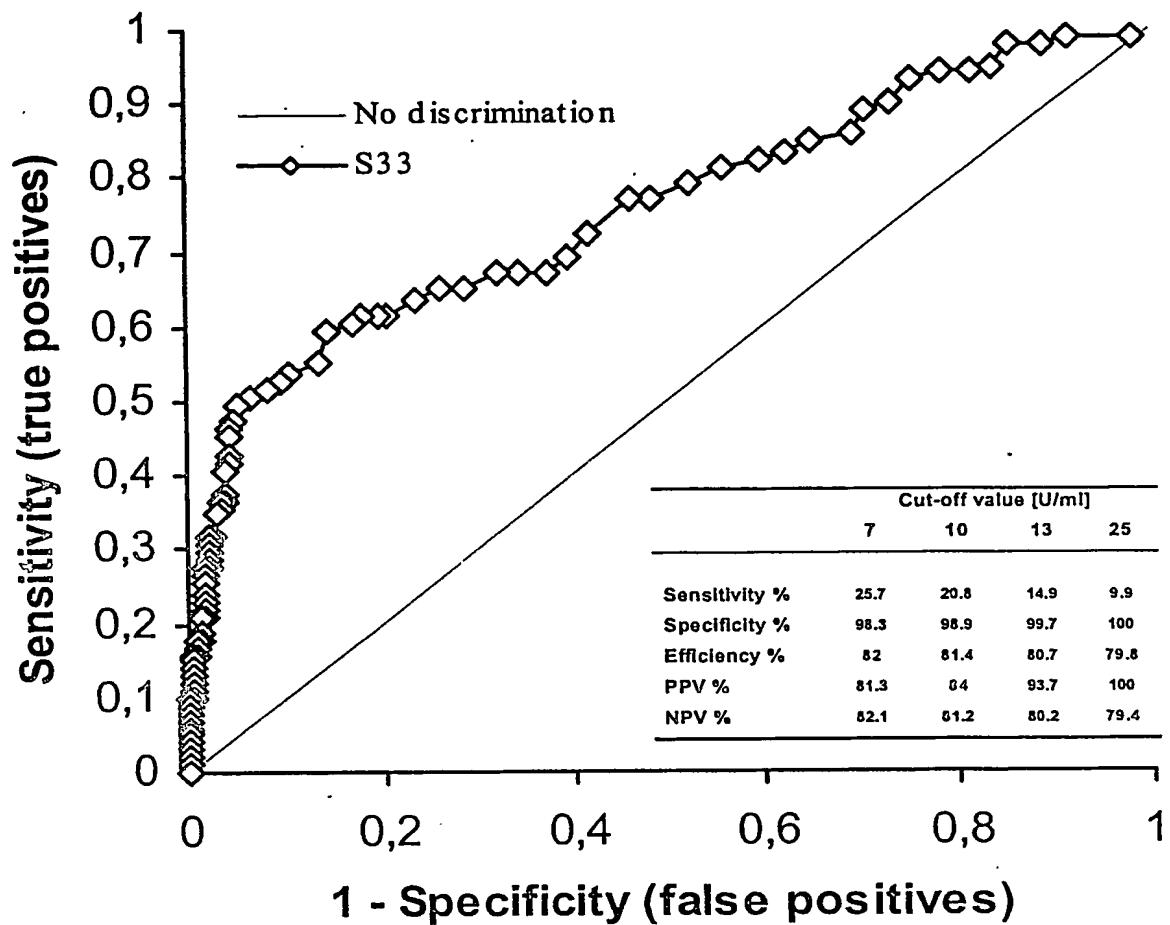


Fig. 2b

6/7

Fig. 2c



7/7

